

#### ABSTRACT OF THE DISCLOSURE

[0054] Presented herein is an automatic direct memory access engine. In one embodiment, a decoder system for decoding video data, comprises a video decoder and a direct memory access engine. The video decoder decodes portions of the video data and comprises a local buffer and an extractor. The local buffer stores the portions of the video data. The extractor transmits a signal indicating that a portion of the local buffer is available to store another portion of the video data. The direct memory access engine provides the another portion of the video data to the portion of the local buffer, responsive to receiving the signal from the extractor.